

2023 SUMMARY REPORT

Commercial Seed Inspections



PLANT INDUSTRIES DIVISION

BUREAU OF FEED AND SEED

Missouri Department of Agriculture

Mission Statement

To serve, promote, and protect the agricultural producers, processors, and consumers of Missouri's food, fuel, and fiber products.

FOREWORD

The 2023 Seed Summary Report is intended to show the reliability of labelers in meeting their claims for seed quality. Inspections were random, with no intentional bias, for the purpose of providing a means of comparing each labeler's reliability in meeting claims. The greater the number of samples taken per labeler, the greater the probability that the consistency in meeting claims shown will represent the labeler's actual performance.

Stop sales are debited to the labeler if a discrepancy from the labeler's claim is found.

All inspections were performed to fulfill the regulatory responsibilities given by the Missouri Department of Agriculture by the Missouri Seed Law, Statute Sections 226.011 through 266.111 (RSMo 2000).

INTRODUCTION

The Missouri Department of Agriculture, Plant Industries Division, Bureau of Feed and Seed, is pleased to publish the 2023 Seed Summary Report and Inspection Results.

In 2023, the bureau officially sampled and tested 2,519 lots of seed. As a result of seed failing to meet its labeled guarantees, 182 stop-sale orders were issued. This resulted in a compliance rate of 93.9 percent compared to 92.95 percent in 2022.

The Missouri Seed Control Laboratory tested 335 service samples in 2023. A total of 2,854 official and service samples were tested in 2023 resulting in a total of 4,539 individual tests performed.

All seed retailers are required to have their seed retested for germination every 10 months (counting the month the seed was retested.) Seed lots found to be out of test date will be placed on stop sale order until the seed has been retested and a new test date and germination rate is placed on the label or the seed is disposed of in an acceptable manner.

The Bureau of Feed and Seed offers many seed sampling and seed testing services. The charges for analysis and analytical reports on seed samples are listed in the Missouri Seed Law Rules 2CSR 70-35.050.

For more information concerning the services offered by the Bureau of Feed and Seed, contact the feed and seed inspector in your area or contact:

**Missouri Department of Agriculture
Bureau of Feed & Seed
P.O. Box 630
Jefferson City, MO 65102**

**Email: FSTT@mda.mo.gov
(573) 751-4310 Office; (573)751-5500 Fax
(573) 751-4340 Seed Laboratory**

Or visit our Web site at <http://agriculture.mo.gov/plants/seed/>

PLANT INDUSTRIES DIVISION

BUREAU OF FEED AND SEED

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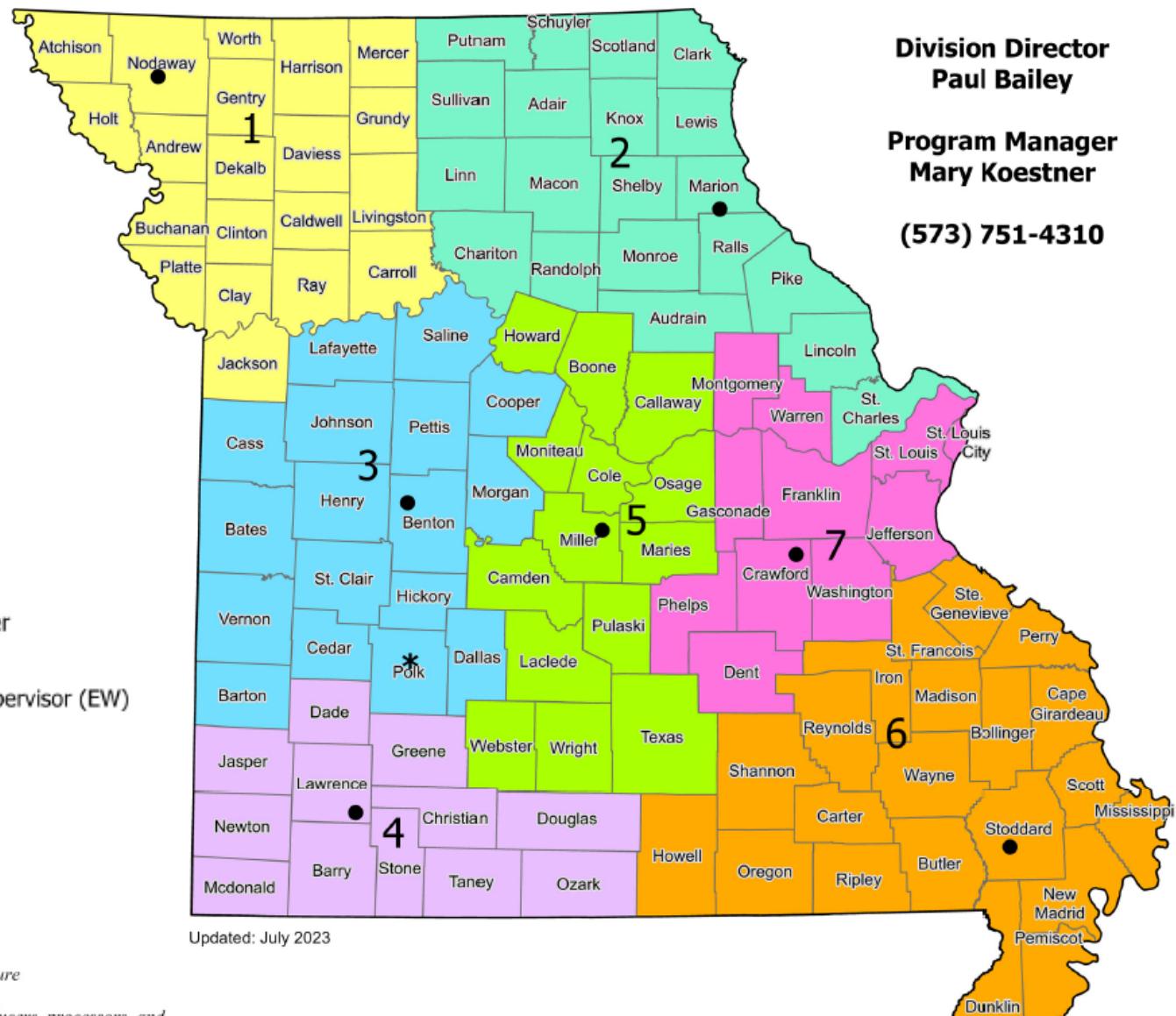
- 1 - Morgan Ferbert
- 2 - Ken Disselhorst
- 3 - Macey Glenn
- 4 - Marissa Jack
- 5 - Taylor Otto
- 6 - Jeremy Barron
- 7 - Meridee Haworth-Ryder

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Updated: July 2023

SAMPLES ANALYZED FOR 2023

OFFICIAL SAMPLES ANALYZED			2519
	Germination	2576	
	Noxious Weed	742	
	Purity	784	
	Sand	0	
	Tetrazolium (TZ)	0	
	Retests Performed	195	
TOTAL NUMBER OF LOTS IN VIOLATION			154
TOTAL OFFICIAL TESTS PERFORMED			4.297
COMPLIANCE RATE OF OFFICIAL SAMPLES ANALYZED			93.9 %
SERVICE SAMPLES ANALYZED			335
	Germination	151	
	Noxious Weed	73	
	Purity	18	
	Tetrazolium (TZ)	0	
	Retests Performed	0	
TOTAL SERVICE SAMPLE TESTS PERFORMED			242
TOTAL SAMPLES			2,854
TOTAL TESTS PERFORMED			4,539
SEED PERMITS ISSUED			4,012

Information on samples, inspection of seeds, or service samples is available from the Bureau of Feed and Seed, 115 Constitution Drive, Jefferson City, Missouri, 65109 or by calling (573) 751-4310.

CRITERIA FOR OBTAINING A SERVICE SAMPLE

Forward your seed in containers adequate to protect the sample.
Without proper sampling technique, test will not reflect true quality of the seed.

Bulk lot seeds:

Take a sample from several places.
Mix the seed samples thoroughly.
Make a composite sample.

Bagged lot seeds:

Take sample from approximately 10 percent of the bags.
Mix the seed samples thoroughly.
Make a composite sample.

Size of sample needed for testing:

TYPE OF SEED	SAMPLE SIZE
Large Seeds (corn, soybean, wheat, etc.)	Quart
Highly chaffy seeds (bromegrass, switchgrass, canarygrass, bluestem)	Quart
Small seeds (grass seed, legumes, clover, alfalfa, etc.)	Pint
Vegetable Seeds	200 seed minimum



STATE OF MISSOURI
DEPARTMENT OF AGRICULTURE
SUBMITTING SEED SERVICE SAMPLES

SEED CHARGES

Purity Exam for one cultivar	\$24.00
Purity Exam for more than one cultivar	\$36.00
Purity Exam for seed samples with less than 90% seed	\$20.00 per hour
Purity Exam for highly chaffy seed	\$20.00 per hour

NOTE: Uncleaned seed will be charged \$20.00 per hour for Purity Exam

Noxious/Prohibited Weed Exam	\$24.00
Germination per cultivar (except highly chaffy seed)	\$24.00
Germination - highly chaffy seed	\$28.00
Endophyte from seed	\$40.00
Tetrazolium (TZ) Test	\$50.00
Complete Test (includes Purity, Noxious Exam and Germination)	\$72.00

SAMPLE SIZE NEEDED

Large seed such as corn, soybean, wheat, etc.	~ Quart
Highly chaffy seeds such as bromegrass, switchgrass, canarygrass, bluestem	~ Quart
Small seed such as grass seed, legumes (clover), etc	~ Pint
Vegetable seeds	200 seeds minimum

Complimentary, cost-free seed analysis for Missouri farmers and individuals submitting samples from June 1 thru August 31, and November 1 thru January 15 based on postmark. The seed can not be intended for resale; therefore, not subject to the labeling requirements of the law.

MAIL SAMPLES TO

Missouri Department of Agriculture
State Seed Control Laboratory
PO Box 630
Jefferson City, MO 65102

DELIVER SAMPLES TO

Missouri Department of Agriculture
State Seed Control Laboratory
115 Constitution Drive
Jefferson City, MO 65109

Contact Missouri State Seed Control Laboratory: 573-751-4340 (between 7am to 3:30pm Central Time)

Additional forms can be obtained at <http://www.agriculture.mo.gov>

PLEASE FILL THE BOTTOM PORTION AND SUBMIT WITH SAMPLE

NAME OF THE SUBMITTING INDIVIDUAL (PLEASE PRINT)		USA PLANTS ID# (IF AVAILABLE)	
ADDRESS		CITY	STATE
TELEPHONE NUMBER		EMAIL ADDRESS	
KIND OF SEED	LOT NUMBER	YEAR THE SEED WAS HARVESTED	
ANALYSIS REQUESTED (CHECK THE TEST(S) TO BE PERFORMED)			
<input type="checkbox"/> GERMINATION	<input type="checkbox"/> PURITY EXAM	<input type="checkbox"/> NOXIOUS/PROHIBITED WEED	<input type="checkbox"/> OTHER (SPECIFY)
LABORATORY USE ONLY			
DATE SAMPLE RECEIVED	SAMPLE LAB NUMBER	SAMPLE BILLED	

SECTION ONE

			Type of Violation							
			Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed
AG RELIANT GENETICS LLC, WESTFIELD (00222J)										
	Soybean	19	17	2		2	0	0	0	0
Compliance Rate:	89.5%	19	17	2		2	0	0	0	0
ANDREWS FARM & SEED INC, CARTHAGE (002APN)										
	Wheat	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
AXIS SEED LLC, ADEL (0022KK)										
	Corn, Field	3	3	0		0	0	0	0	0
	Soybean	3	3	0		0	0	0	0	0
Compliance Rate:	100.0%	6	6	0		0	0	0	0	0
BACK TO THE ROOTS, OAKLAND (003JY9)										
	Carrot	1	1	0		0	0	0	0	0
	Dill	1	1	0		0	0	0	0	0
	Lettuce	4	2	2		2	0	0	0	0
	Parsley	1	0	1		1	0	0	0	0
	Radish	1	1	0		0	0	0	0	0
Compliance Rate:	62.5%	8	5	3		3	0	0	0	0
BARENBRUG USA, TANGENT (002ABQ)										
	Bluegrass, Kentucky	2	1	1		0	1	0	0	0
	Mixture	19	16	3		2	1	0	0	0
Compliance Rate:	81.0%	21	17	4		2	2	0	0	0

			Type of Violation							
			Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed
BASF CORPORATION - RESEARCH TRIANGLE PARK, RESEARCH TRIANGLE PARK (0038FB)										
	Cotton	1	1	0	0	0	0	0	0	0
Compliance Rate:	100.0%	1	1	0	0	0	0	0	0	0
BAYER CROP SCIENCE, ST LOUIS (003B54)										
	Soybean	194	193	1	1	0	0	0	0	0
Compliance Rate:	99.5%	194	193	1	1	0	0	0	0	0
BAYER CROPSCIENCE LP, ST LOUIS (001MJ9)										
	Corn, Field	1	1	0	0	0	0	0	0	0
	Cotton	1	1	0	0	0	0	0	0	0
	Soybean	189	187	2	3	0	0	0	0	0
Compliance Rate:	99.0%	191	189	2	3	0	0	0	0	0
BNG MIRACLE PET LLC dba STEWART PET PRODUCTS, DAYTON (003P6Q)										
	Wheat	1	1	0	0	0	0	0	0	0
Compliance Rate:	100.0%	1	1	0	0	0	0	0	0	0
BOTANICAL INTERESTS INC, BROOMFIELD (002ACP)										
	Dill	1	1	0	0	0	0	0	0	0
	Spinach	1	1	0	0	0	0	0	0	0
Compliance Rate:	100.0%	2	2	0	0	0	0	0	0	0
BUCHHEIT INC - PERRYVILLE, PERRYVILLE (002240)										
	Bluegrass, Kentucky	1	1	0	0	0	0	0	0	0

			Type of Violation								
			Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Fescue, Tall		1	0	1		0	1	0	0	0
Compliance Rate:	50.0%		2	1	1		0	1	0	0	0
BWI COMPANIES INC, NASH (00223M)											
	Bean, Garden		1	1	0		0	0	0	0	0
	Mixture		1	1	0		0	0	0	0	0
	Pea, Garden		2	2	0		0	0	0	0	0
Compliance Rate:	100.0%		4	4	0		0	0	0	0	0
CENTRAL STATES WHOLESALE, PERRYVILLE (0027F8)											
	Fescue, Red		1	0	1		0	1	0	0	0
	Fescue, Tall		1	1	0		0	0	0	0	0
Compliance Rate:	50.0%		2	1	1		0	1	0	0	0
CHANNEL BIO LLC, ST LOUIS (0025AZ)											
	Soybean		35	34	1		1	0	0	0	0
Compliance Rate:	97.1%		35	34	1		1	0	0	0	0
COLUMBIA GRAIN, CLARKSTON (002ZJ3)											
	Pea, Field		1	1	0		0	0	0	0	0
	Rape		1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0	0
CORTEVA AGRISCIENCE MCS LLC, JOHNSTON (003H1J)											
	Soybean		12	12	0		0	0	0	0	0
Compliance Rate:	100.0%		12	12	0		0	0	0	0	0

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation				
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
DLF PICKSEED, HALSEY (002397)								
Mixture	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%	1	1	0	0	0	0	0
GAYLAND WARD SEED CO INC, HEREFORD (0034P2)								
Millet, Pearl	1	1	0	0	0	0	0	0
Sorghum-Sudangrass Hybrid	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%	2	2	0	0	0	0	0
GREEN GARDEN PRODUCTS, NORTON (003MPK)								
Arugula	4	4	0	0	0	0	0	0
Beet	14	14	0	0	0	0	0	0
Broccoli	5	5	0	0	0	0	0	0
Brussels-Sprouts	2	2	0	0	0	0	0	0
Carrot	40	39	1	1	0	0	0	0
Cauliflower	2	1	1	1	0	0	0	0
Celery	1	1	0	0	0	0	0	0
Cilantro	1	1	0	0	0	0	0	0
Collards	2	2	0	0	0	0	0	0
Corn, Sweet	2	2	0	0	0	0	0	0
Dill	7	7	0	0	0	0	0	0
Endive	1	1	0	0	0	0	0	0
Kale	11	11	0	0	0	0	0	0
Kohlrabi	2	1	1	1	0	0	0	0
Leek	2	2	0	0	0	0	0	0
Lettuce	49	41	8	8	0	0	0	0
Mesclun (Salad Mix)	5	3	2	2	0	0	0	0
Microgreens	1	1	0	0	0	0	0	0
Mixture	4	4	0	0	1	0	0	0
Mustard	1	1	0	0	0	0	0	0
Okra	1	1	0	0	0	0	0	0

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation				
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Onion	15	8	7	7	0	0	0
	Parsley	10	7	3	3	0	0	0
	Pepper	2	2	0	0	0	0	0
	Pepper, Hot	4	4	0	0	0	0	0
	Radish	31	31	0	0	0	0	0
	Rutabaga	2	2	0	0	0	0	0
	Spinach	10	10	0	0	0	0	0
	Swiss Chard	2	2	0	0	0	0	0
	Tomato	10	10	0	0	0	0	0
	Turnip	3	3	0	0	0	0	0
Compliance Rate:	90.7%	246	223	23	23	1	0	0

GREEN SEED COMPANY, SPRINGFIELD (0023BA)

Alfalfa	5	5	0	0	0	0	0	0
Bahiagrass 'Pensacola'	1	0	1	0	0	1	0	0
Beet, Sugar	1	1	0	0	0	0	0	0
Bermudagrass	12	12	0	0	0	0	0	0
Bluegrass, Kentucky	8	8	0	0	0	0	0	0
Buckwheat	4	3	1	1	0	0	0	0
Chicory	1	0	1	0	1	0	0	0
Chufa	1	1	0	0	0	0	0	0
Clover, Alsike	1	0	1	0	0	0	0	1
Clover, Arrowleaf	4	4	0	0	0	0	0	0
Clover, Balansa	2	2	0	0	0	0	0	0
Clover, Crimson	6	6	0	0	0	0	0	0
Clover, Ladino White	7	6	1	0	1	0	0	0
Clover, Red	17	13	4	1	1	3	0	0
Clover, Sweet Yellow	1	1	0	0	0	0	0	0
Clover, White	10	10	0	0	0	0	0	0
Collards	2	2	0	0	0	0	0	0
Crabgrass	3	3	0	0	0	0	0	0
Fescue, Chewings	1	1	0	0	0	0	0	0
Fescue, Hard	3	3	0	0	0	0	0	0
Fescue, Red	1	1	0	0	0	0	0	0
Fescue, Sheep	1	0	1	0	1	0	0	0
Fescue, Tall	37	30	7	0	6	0	0	5
Kale	2	2	0	0	0	0	0	0

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation					
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop	
Lab Lab	1	1	0	0	0	0	0	0	0
Lespedeza, Korean	3	1	2	0	0	2	0	0	0
Millet, Browntop	2	2	0	0	0	0	0	0	0
Millet, German Foxtail	4	4	0	0	0	0	0	0	0
Millet, Japanese	4	4	0	0	0	0	0	0	0
Millet, Pearl	3	3	0	0	0	0	0	0	0
Mixture	38	31	7	2	2	3	1	0	
Oat	15	15	0	0	0	0	0	0	0
Orchardgrass	15	12	3	0	2	1	0	1	
Pea, Field	6	6	0	0	0	0	0	0	0
Radish	1	1	0	0	0	0	0	0	0
Radish, Forage	3	3	0	0	0	0	0	0	0
Rape	2	2	0	0	0	0	0	0	0
Redtop	1	1	0	0	0	0	0	0	0
Rye	11	10	1	1	0	0	0	0	0
Ryegrass, Annual	51	49	2	0	1	0	1	0	
Ryegrass, Perennial	13	12	1	0	1	0	0	0	0
Sorghum	5	5	0	0	0	0	0	0	0
Sorghum-Sudangrass Hybrid	24	23	1	1	0	0	0	0	0
Sunn Hemp	1	1	0	0	0	0	0	0	0
Teff	3	2	1	0	1	0	0	0	0
Timothy	2	2	0	0	0	0	0	0	0
Triticale	3	3	0	0	0	0	0	0	0
Turnip	6	6	0	0	0	0	0	0	0
Turnip Rape	1	1	0	0	0	0	0	0	0
Vetch, Hairy	3	3	0	0	0	0	0	0	0
Wheat	13	13	0	0	0	0	0	0	0

Compliance Rate: 90.4%

365 330 35 6 17 10 2 7

GREEN VALLEY SEED LLC, KAHOKA (0022XK)

Barley	1	1	0	0	0	0	0	0
Fescue, Tall	1	1	0	0	0	0	0	0
Mixture	2	1	1	0	0	0	0	0
Oat	1	1	0	0	0	0	0	0
Orchardgrass	1	0	1	0	0	0	0	0
Pea, Field	1	1	0	0	0	0	0	0

		Type of Violation								
		Lots Inspected	Lots Passed	Lots In Violation		Germination	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Rye	2	2	0		0	0	0	0	0
	Soybean	7	7	0		0	0	0	0	0
	Timothy	1	1	0		0	0	0	0	0
	Triticale	3	3	0		0	0	0	0	0
	Turnip	1	1	0		0	0	0	0	0
	Wheat	4	4	0		0	0	0	0	0
Compliance Rate:	92.0%	25	23	2		0	0	0	0	0
GROW PRO GENETICS LLC, HAMEL (00475X)										
	Wheat	3	3	0		0	0	0	0	0
Compliance Rate:	100.0%	3	3	0		0	0	0	0	0
GROWMARK INC, BLOOMINGTON (002ADC)										
	Soybean	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
HENRYS PLANTS LLC, DEXTER (003GZK)										
	Beet	1	1	0		0	0	0	0	0
	Radish	1	1	0		0	0	0	0	0
	Turnip	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	3	3	0		0	0	0	0	0
JOMAR SEEDS INC, PLYMOUTH (002GG7)										
	Wheat	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
JONATHAN GREEN & SONS INC, FARMINGDALE (00233N)										
	Mixture	3	3	0		0	0	0	0	0
Compliance Rate:	100.0%	3	3	0		0	0	0	0	0

		Type of Violation								
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
LOGAN AGRI SERVICE INC, KNOX CITY (003D8N)										
	Rye	1	1	0		0	0	0	0	0
	Ryegrass, Annual	1	1	0		0	0	0	0	0
	Triticale	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	3	3	0		0	0	0	0	0
LOVELAND PRODUCTS, GREELEY (00229G)										
	Soybean	23	23	0		0	0	0	0	0
	Wheat	3	3	0		0	0	0	0	0
Compliance Rate:	100.0%	26	26	0		0	0	0	0	0
MERSCHMAN SEEDS, WEST POINT (0022JY)										
	Wheat	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
MFA EXCHANGE, META (0024GH)										
	Alfalfa	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
MFA FEED DISTRIBUTION CENTER, SEDALIA (0024JM)										
	Fescue, Tall	1	1	0		0	0	0	0	0
	Orchardgrass	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
MFA INC SEED DIVISION, COLUMBIA (0022B1)										
	Alfalfa	2	1	1		1	0	0	0	0
	Barley	1	1	0		0	0	0	0	0
	Bluegrass, Kentucky	1	0	1		1	0	0	0	0
	Buckwheat	1	1	0		0	0	0	0	0
	Clover, Red	1	1	0		0	0	0	0	0

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation				
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
Fescue, Red	1	1	0	0	0	0	0	0
Fescue, Tall	3	3	0	0	0	0	0	0
Mixture	1	1	0	0	0	0	0	0
Oat	2	2	0	0	0	0	0	0
Orchardgrass	1	1	0	0	0	0	0	0
Pea, Field	1	1	0	0	0	0	0	0
Radish	1	1	0	0	0	0	0	0
Rape	1	1	0	0	0	0	0	0
Rye	4	3	1	1	0	0	0	0
Ryegrass, Annual	1	1	0	0	0	0	0	0
Triticale	1	1	0	0	0	0	0	0
Wheat	5	5	0	0	0	0	0	0

Compliance Rate: **89.3%**

28 **25** **3** **3** **0** **0** **0** **0**

MIDWEST GRASS & FORAGE, MACOMB (003ZWW)

Triticale	1	1	0	0	0	0	0	0
Compliance Rate: 100.0%	1	1	0	0	0	0	0	0

MISSOURI SOUTHERN SEED, ROLLA (0024KK)

Alfalfa	5	5	0	0	0	0	0	0
Barley	1	1	0	0	0	0	0	0
Beet, Sugar	1	1	0	0	0	0	0	0
Bermudagrass	1	1	0	0	0	0	0	0
Bluegrass, Kentucky	2	1	1	0	1	0	0	0
Brome, Smooth	1	0	1	1	0	0	0	0
Buckwheat	3	3	0	0	0	0	0	0
Chicory	1	1	0	0	0	0	0	0
Clover, Alsike	1	0	1	0	0	0	0	1
Clover, Balansa	6	4	2	0	2	0	0	0
Clover, Berseem	3	3	0	0	0	0	0	0
Clover, Crimson	6	6	0	0	0	0	0	0
Clover, Ladino White	5	4	1	0	1	0	0	0
Clover, Red	18	16	2	0	1	0	0	1
Clover, Sweet Yellow	1	1	0	0	0	0	0	0
Clover, White	3	2	1	0	1	0	0	0

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation					
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop	
Collards	2	2	0	0	0	0	0	0	0
Corn, Field	1	1	0	0	0	0	0	0	0
Cowpea	2	2	0	0	0	0	0	0	0
Fescue, Tall	27	22	5	1	2	1	0	4	
Festulolium	4	4	0	0	0	0	0	0	
Lespedeza, Korean	3	3	0	0	0	0	0	0	
Millet, Japanese	1	1	0	0	0	0	0	0	
Millet, Pearl	2	2	0	0	0	0	0	0	
Millet, Proso	1	1	0	0	0	0	0	0	
Mixture	24	21	3	0	1	0	0	4	
Oat	25	23	2	2	0	0	0	0	
Oat, Black	1	1	0	0	0	0	0	0	
Orchardgrass	7	6	1	0	1	0	0	0	
Pea, Field	9	9	0	0	0	0	0	0	
Radish, Forage	7	7	0	0	0	0	0	0	
Rape	7	7	0	0	0	0	0	0	
Redtop	4	3	1	0	1	0	0	0	
Rye	49	45	4	4	0	0	0	0	
Ryegrass, Annual	19	18	1	0	0	0	0	1	
Ryegrass, Intermediate	7	7	0	0	0	0	0	0	
Ryegrass, Italian	2	2	0	0	0	0	0	0	
Ryegrass, Perennial	6	6	0	0	0	0	0	0	
Sorghum	8	7	1	1	0	0	0	0	
Sorghum-Sudangrass Hybrid	38	38	0	0	0	0	0	0	
Soybean	1	1	0	0	0	0	0	0	
Sunflower	1	1	0	0	0	0	0	0	
Sunn Hemp	2	2	0	0	0	0	0	0	
Teff	1	0	1	0	1	0	0	0	
Timothy	6	6	0	0	0	0	0	0	
Trefoil, Birdfoot	1	0	1	0	1	0	0	0	
Triticale	11	11	0	0	0	0	0	0	
Turnip	6	6	0	0	0	0	0	0	
Vetch, Hairy	6	6	0	0	0	0	0	0	
Wheat	32	32	0	0	0	0	0	0	
Compliance Rate:	92.4%								
	381	352	29	9	13	1	0	11	

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation				
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MORGAN COUNTY SEEDS, BARNETT (00039X)								
Arugula	2	2	0	0	0	0	0	0
Bean, Garden	9	8	1	1	0	0	0	0
Bean, Lima	3	3	0	0	0	0	0	0
Broccoli	3	3	0	0	0	0	0	0
Brussels-Sprouts	1	1	0	0	0	0	0	0
Cabbage	10	10	0	0	0	0	0	0
Cabbage, Chinese	3	3	0	0	0	0	0	0
Cauliflower	3	3	0	0	0	0	0	0
Collards	1	1	0	0	0	0	0	0
Coriander	1	1	0	0	0	0	0	0
Corn, Ornamental	2	2	0	0	0	0	0	0
Corn, Sweet	1	1	0	0	0	0	0	0
Cornsalad	1	1	0	0	0	0	0	0
Cress, garden	1	1	0	0	0	0	0	0
Cucumber	5	5	0	0	0	0	0	0
Eggplant	2	2	0	0	0	0	0	0
Endive	1	1	0	0	0	0	0	0
Groundcherry	1	0	1	1	0	0	0	0
Kale	3	3	0	0	0	0	0	0
Kohlrabi	2	2	0	0	0	0	0	0
Lettuce	17	16	1	1	0	0	0	0
Mustard	1	1	0	0	0	0	0	0
Mustard Greens	1	1	0	0	0	0	0	0
Mustard, Leaf	2	2	0	0	0	0	0	0
Oriental Greens	1	1	0	0	0	0	0	0
Pak-choi	1	1	0	0	0	0	0	0
Pea, Garden	10	9	1	1	0	0	0	0
Radish	2	2	0	0	0	0	0	0
Southern Pea	2	0	2	2	0	0	0	0
Squash, Autumn-Winter	3	3	0	0	0	0	0	0
Tomato	4	4	0	0	0	0	0	0
Compliance Rate:	93.9%			99	93	6	6	0

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation				
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MOUNTAIN VIEW SEEDS LTD, SALEM (002396)								
Mixture	2	2	0	0	0	0	0	0
Compliance Rate:	100.0%	2	2	0	0	0	0	0
MS TECHNOLOGIES LLC, WEST POINT (003BPY)								
Soybean	10	8	2	2	0	0	0	0
Compliance Rate:	80.0%	10	8	2	2	0	0	0
NECO SEED FARMS INC, GARDEN CITY (0022Q1)								
Soybean	5	5	0	0	0	0	0	0
Compliance Rate:	100.0%	5	5	0	0	0	0	0
PAGE SEED COMPANY, GREENE (00369V)								
Lettuce	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%	1	1	0	0	0	0	0
PAUL PARSONS, ALBANY (00239F)								
Brome, Smooth	2	2	0	0	0	0	0	0
Timothy	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%	3	3	0	0	0	0	0
PENNINGTON SEED INC, GREENFIELD (002335)								
Fescue, Tall	24	19	5	2	1	3	0	1
Mixture	234	213	21	12	3	1	0	5
Ryegrass, Annual	18	18	0	0	0	0	0	0

			Type of Violation								
			Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Ryegrass, Perennial		1	1	0		0	0	0	0	0
Compliance Rate:	90.6%		277	251	26		14	4	4	0	6
PETRUS SEED & GRAIN CO INC, HAZEN (002AC9)											
	Oat		1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0	0
PIONEER HI-BRED INTERNATIONAL INC, JOHNSTON (00221B)											
	Corn, Field		1	1	0		0	0	0	0	0
	Soybean		341	340	1		2	0	0	0	0
	Wheat		4	4	0		0	0	0	0	0
Compliance Rate:	99.7%		346	345	1		2	0	0	0	0
PRINCE CORPORATION, MARSHFIELD (002715)											
	Mixture		1	0	1		1	0	0	0	0
Compliance Rate:	0.0%		1	0	1		1	0	0	0	0
RICETEC INC, ALVIN (002AM4)											
	Rice		2	2	0		0	0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0	0
ROSE AGRI-SEED INC dba PURE SEED, CANBY (003Y4N)											
	Mixture		1	0	1		0	0	0	0	0
Compliance Rate:	0.0%		1	0	1		0	0	0	0	0

			Type of Violation							
			Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed
S&W SEED COMPANY, NEW DEAL (0036A2)										
	Sorghum-Sudangrass Hybrid	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
SCHULTZ TURF & FORAGE, DIETERICH (003Q81)										
	Mixture	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
SCOTTS COMPANY, MARYSVILLE (00223B)										
	Mixture	4	4	0		0	0	0	0	0
Compliance Rate:	100.0%		4	4	0		0	0	0	0
SEEDWAY LLC, HALL (00234V)										
	Corn, Sweet	1	1	0		0	0	0	0	0
	Triticale	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0
SHAWNEETOWN FEED & SEED CO, JACKSON (00222Q)										
	Bean, Garden	1	1	0		0	0	0	0	0
	Corn, Sweet	1	1	0		0	0	0	0	0
	Cucumber	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation				
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
SOIL SERVICE GARDEN CENTER INC, KANSAS CITY (0023JY)								
Mixture	4	3	1	1	0	0	0	0
Compliance Rate:	75.0%	4	3	1	0	0	0	0
SUTTER SEED SERVICES INC, TAYLOR (002483)								
Soybean	5	4	1	1	0	0	0	0
Compliance Rate:	80.0%	5	4	1	0	0	0	0
SYNGENTA SEEDS LLC, SLATER (00221W)								
Soybean	16	15	1	1	0	0	0	0
Compliance Rate:	93.8%	16	15	1	0	0	0	0
TRI-STAR SEED COMPANY, SPRING HILL (0022N3)								
Bean, Garden	1	1	0	0	0	0	0	0
Corn, Sweet	2	2	0	0	0	0	0	0
Cucumber	1	1	0	0	0	0	0	0
Okra	1	1	0	0	0	0	0	0
Pepper	1	1	0	0	0	0	0	0
Watermelon	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%	7	7	0	0	0	0	0
URSA FARMERS COOP, LORAIN (00300Q)								
Oat	1	0	1	1	1	0	0	0
Rye	6	4	2	2	0	0	0	0
Wheat	2	2	0	0	0	0	0	0
Compliance Rate:	66.7%	9	6	3	1	0	0	0

	Lots Inspected	Lots Passed	Lots In Violation	Type of Violation				
				Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
W ATLEE BURPEE CO dba BURPEE GARDEN PRODUCTS, WARMINSTER (002235)								
Arugula	2	2	0	0	0	0	0	0
Bean, Garden	1	1	0	0	0	0	0	0
Beet	6	6	0	0	0	0	0	0
Broccoli	3	3	0	0	0	0	0	0
Cabbage	1	1	0	0	0	0	0	0
Carrot	14	14	0	0	0	0	0	0
Corn, Sweet	1	1	0	0	0	0	0	0
Dill	3	3	0	0	0	0	0	0
Kohlrabi	1	1	0	0	0	0	0	0
Lettuce	17	17	0	0	0	0	0	0
Mesclun (Salad Mix)	6	6	0	0	0	0	0	0
Okra	1	1	0	0	0	0	0	0
Onion	9	9	0	0	0	0	0	0
Parsley	2	2	0	0	0	0	0	0
Radish	9	9	0	0	0	0	0	0
Spinach	5	5	0	0	0	0	0	0
Tomato	2	2	0	0	0	0	0	0
Compliance Rate:	100.0%		83	83	0	0	0	0
WEAVERS GREENHOUSE, ELLISMORE (0022PP)								
Bean, Field	1	1	0	0	0	0	0	0
Bush Green Bean	1	1	0	0	0	0	0	0
Corn, Sweet	1	1	0	0	0	0	0	0
Cowpea	1	1	0	0	0	0	0	0
Lettuce	2	2	0	0	0	0	0	0
Okra	1	1	0	0	0	0	0	0
Pea	1	1	0	0	0	0	0	0
Spinach	1	1	0	0	0	0	0	0
Compliance Rate:	100.0%		9	9	0	0	0	0

						Type of Violation					
		Lots Inspected	Lots Passed	Lots In Violation		Germination	Pure Seed	Noxious Weeds	Weed Seed	Other Crop	
WILLCROSS SEED INC - GARDEN CITY, GARDEN CITY (002BCQ)											
	Soybean	12	12	0		0	0	0	0	0	
Compliance Rate:	100.0%	12	12	0		0	0	0	0	0	
WILLIAMS LAWN SEED CO, MARYVILLE (0024F0)											
	Bluegrass, Kentucky	2	2	0		0	0	0	0	0	
	Brome, Smooth	1	0	1		1	0	0	0	0	
	Fescue, Chewings	1	1	0		0	0	0	0	0	
	Fescue, Hard	2	2	0		0	0	0	0	0	
	Mixture	2	0	2		0	0	0	0	0	
	Ryegrass, Annual	1	1	0		0	0	0	0	0	
	Ryegrass, Perennial	3	3	0		0	0	0	0	0	
Compliance Rate:	75.0%	12	9	3		1	0	0	0	0	
WINFIELD SOLUTIONS LLC, ST PAUL (00222A)											
	Corn, Field	1	1	0		0	0	0	0	0	
	Mixture	4	3	1		1	0	0	0	0	
	Soybean	2	2	0		0	0	0	0	0	
Compliance Rate:	85.7%	7	6	1		1	0	0	0	0	
	Overall Totals:	2519	2365	154		86	40	15	2	24	

**Plant Industries Division
Missouri Department of Agriculture
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